

# VIVEK SHARMA JOSHI

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## SUMMARY

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Innovative and detail-oriented Software Engineer skilled in Python, Java, SQL, Cloud, and IoT with hands-on experience in building scalable applications and AI-driven solutions. Proficient in full-stack development, data visualization with Tableau, and cloud technologies (AWS, MERN stack). Successfully delivered projects including an AI-powered e-learning platform and interactive applications, demonstrating strong problem-solving, analytical, and collaborative skills. Certified in MERN Stack, AWS Cloud, and Data Visualization, with a passion for developing efficient, secure, and user-centric software solutions that drive real-world impact.

## LANGUAGEANDSKILLS

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**Languages:** English, Telugu, Hindi

**Programming Languages:** Python, Cloud, IOT, Java, JavaScript, HTML, SQL,CSS,AWS Cloud ,Azure

**Data Visualization:** Tableau,Data science, pandas, Numpy

**Soft Skills:** Analytical Thinking, Problem-Solving, Communication, Project Management

## PROJECTS

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### Edolov- Quality Education

- Contributed to the design and development of *EduLov*, an innovative AI-driven e-learning platform that personalises virtual teaching experiences to cater to individual learning styles and preferences.
- Implemented advanced machine learning algorithms and real-time analytics to optimise teaching methodologies and enhance student engagement and comprehension.
- Developed scalable and accessible educational technology solutions to provide tailored learning opportunities to diverse, global audiences, including underserved communities.
- Ensured compliance with data protection regulations and integrated robust security measures, maintaining the ethical use of AI in education.
- Developed interactive features like gamification and real-time feedback to enhance student engagement.
- Collaborated on creating adaptive learning paths to cater to individual student needs and progress.

### Shade Shuffle - Game With Colour

- Designed and implemented a GUI-based game called *Shade Shuffle* using Python and Tkinter, focusing on user interaction and intuitive design.
- Demonstrated proficiency in Python programming by creating and integrating modules for colour identification and event handling.
- Used Python to manage game logic, scoring, and a countdown timer.
- Gained proficiency in GitHub for version control, enabling effective collaboration and project management during development.

## INTERNSHIP

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### Web Development Intern - Motion Cut

- Developed a fully functional resume builder application, gaining hands-on experience in front-end technologies like JAVA, CSS, and JavaScript.
- Acquired in-depth knowledge of structuring content with JAVA, enhancing visual design using CSS, and adding interactivity through JavaScript
- Strengthened time management, patience, and problem-solving capabilities while working independently on a complex project.

### Data Science Intern- Prinston smart

- Developed and deployed a machine learning-based Used Car Price Prediction System with ~92% accuracy using Python, Pandas, Scikit-learn , and Stream-lit.
- Improved model performance by 15% through advanced feature engineering and hyper-parameter tuning.
- Designed a real-time prediction interface in Stream-lit, reducing manual valuation time by 80% for end-users
- Applied Agile development practices, reducing development cycle time by 25% and ensuring timely delivery through iterative feedback and modular testing.
- Conducted data preprocessing and exploratory data analysis (EDA) on large automotive datasets, identifying trends and improving data quality for better predictions.

## EDUCATION

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### New Horizon College of Engineering

Bachelor of Engineering in Information Science and Engineering

Bengaluru ,Karnataka

Nov 2021 - Aug 2025

## CERTIFICATIONS

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MERN stack developer(Kaushalya Tech),Data Visualisation using TABLEAU(Alpha Tech), AWS Cloud(Kaushalya Tech) ,Ethical hacking(Alpha Tech)